

PATENT

Application # 09/871,648

Attorney Docket # 112815CON (1014-153)

AMENDMENTS

AMENDMENTS TO THE CLAIMS

1. – 17. (Canceled)

18. (Currently Amended) A central office interface between a multiple access link to a subscriber

premises and a local carrier network:

a digital loop carrier with a digital interface to permit access to a digital backplane of said digital loop carrier;

a controller with a modulator/demodulator configured to apply data corresponding to multiple voice call sessions from said link to said digital interface, and
to apply data corresponding to said multiple voice call sessions from said digital interface to said link;

said multiple access link being established over a single twisted pair metallic interface;

An interface as in claim 15, wherein: said controller is connected to another digital network; and

said controller is configured to add a new call to said multiple voice call session in response to signaling data received through said another digital network.

19. (Currently Amended) A central office interface between a multiple access link to a subscriber

premises and a local carrier network:

a digital loop carrier with a digital interface to permit access to a digital backplane of said digital loop carrier;

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a controller with a modulator/demodulator configured to apply data corresponding to multiple voice call sessions from said link to said digital interface, and to apply data corresponding to said multiple voice call sessions from said digital interface to said link;

said multiple access link being established over a single twisted pair metallic interface;

An interface as in claim 15, wherein: said controller is connected to another digital network; and

said controller is configured to add a new call to said multiple voice call session in response to signaling data received through said link, said controller being further configured to route selectively said new call through said another digital network responsively to signaling data received through said link.

20. (Currently Amended) A central office interface between a multiple access link to a subscriber premises and a local carrier network:

a digital loop carrier with a digital interface to permit access to a digital backplane of said digital loop carrier;

a controller with a modulator/demodulator configured to apply data corresponding to multiple voice call sessions from said link to said digital interface, and to apply data corresponding to said multiple voice call sessions from said digital interface to said link;

said multiple access link being established over a single twisted pair metallic interface;

wherein said controller is connected to another digital network; and

said controller is configured to add a new call to said multiple voice call session in response to signaling data received through said link, said controller being further configured to route selectively said new call through said another digital network

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responsively to signaling data received through said link;

~~An interface as in claim 19,~~ further comprising a data storage unit; and
said controller being further configured to route said new call responsively
to signaling data and subscriber data corresponding to said call, said subscriber
data indicating services permitted for a calling party corresponding to said call.

21. – 29 (Canceled)